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Dated: July 22, 2004

Signature

Carol Mitchell
(Carol Mitchell)

Docket No.: 47253-00004USPX
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Cecilia Brandel et al.

Application No.: 09/827280

Confirmation No.: 6620

Filed: April 5, 2001

Art Unit: 2654

For: METHOD OF ESTIMATING THE PITCH OF
A SPEECH SIGNAL USING AN AVERAGE
DISTANCE BETWEEN PEAKS, USE OF
THE METHOD, AND A DEVICE ADAPTED
THEREFOR

Examiner: V. P. Harper

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INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action after the filing of a Request for Continued Examination under 37 CFR 1.114 (37 CFR 1.97(b)(4)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing

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of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 47253-00004USPX. A duplicate copy of this paper is enclosed.

Dated: July 22, 2004

Respectfully submitted,

By 

Ross T. Robinson

Registration No.: 47,031

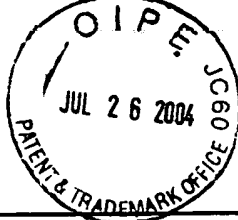
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Attorneys For Applicant



ALTERNATIVE TO PTO/SB/08a/b (06-03)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	09/827280-Conf. #6820
				Filing Date	April 5, 2001
				First Named Inventor	Cecilia Brandel
				Art Unit	2654
				Examiner Name	V. P. Harper
Sheet	1	of	1	Attorney Docket Number	47253-00004USPX

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-4,015,088	03-29-1977	Dubnowski et al.	
	A2	US-4,081,605	03-28-1978	Kitawaki et al.	
	A3	US-4783807	11-08-1988	Marley	
	A4	US-5,121,428	06-09-1992	Uchiyama et al.	
	A5	US-5,784,532	07-21-1998	McDonough et al.	
	A6	US-5,970,441	10-19-1999	Mekuria	
	A7	US-6,047,254	04-04-2000	Ireton et al.	
	A8	US-2001/0021906	09-13-2001	Chihara	
	A9	US-6,377,915	04-23-2002	Sasaki	
	A10	US-6,418,407	07-09-2002	Huang et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ² -Number ³ -Kind Code ³ (if known)			

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	C1	ALI ALKULAIBI et al.; Fast 3-Level Binary Higher Order Statistics for Simultaneous Voiced/Unvoiced and Pitch Detection of a Speech Signal; Signal Processing; Elsevier; Pages 133-140.		
	C2	CECILIA BRANDEL et al.; Speech Enhancement by Speech Rate Conversion; Department of Telecommunication and Signal Processing; Pages 34-57.		
	C3	Linear Prediction Analysis; TONY ROBINSON; Speech Vision Robotics Group; 1 Page.		
	C4	Quick Overview of Linear Predictive Coding (LPC) Analysis; 1 Page.		
	C5	5.3 Linear Prediction Analysis; 3 Pages.		
	C6	PLP-Perceptual Linear Predictive Analysis; 4 Pages.		
	C7	Linear Prediction; 2 Pages.		

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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